



SWARC NEWS

Notes from K7RLH

Happy Valentine's Day!!!!

I'm sorry to be running behind on this newsletter, but some things were out of my control. I hope those, who attended our February meeting, enjoyed the pizza, appetizers, and desserts furnished by members. The auction did not produce the normal activity that we have come to expect over the years, but we held it nonetheless. Our next meeting will be March 2nd; check out Manny's VP remarks for info on that meeting. He will also issue a sign up for meals, attendance, etc.

I continue to encourage you to renew your club membership if you have not already done so. There are still a few older/former members that we have not heard from, so, if you know a member that you haven't seen or heard from lately, reach out to them and see if they will rejoin our group.

I'm going to use the remainder of my notes to update everyone on members that have been hospitalized or otherwise out of circulation for various reasons.

First of all, Gary, KO4LQX, finally got home from the hospital this past Friday. His wife, Linda, says he is very happy to be home and they will have some visiting nurse assistance for home care while he is recovering his strength.

Our net manager, Kenny, KJ4CVK, was also recently hospitalized for the dreaded COVID and he hopes to be released today if his O₂ levels remain where they need to be.

Another member, Steve Rhudy, KY4SLR, has been in the hospital twice since early March. His first episode, which caused him to miss our last meeting, was for an inflammation inside his spine. He got over that one with treatment and then wound up returning to the ER for an elevated heart rate that he couldn't explain even though he was excited about finding a new instructional/quick repair manual for some old Yaesu HF radios. He closed his remarks to me with 'LOL' and hopes to be at the March meeting.

Big Ugly, Steve Mowels (KA0GMY), always publishes members that we need to remember each week when he reports on the breakfast. So, in addition to those mentioned above, please remember: Dickie, KM4TLE, Steve, KA0GMY, and Steve, Jr., and anyone else that I may have forgotten.

Look for other news and info in the body of the newsletter.

SWARC de K7RLH

Notes from KB4NC

Greetings most amazing SWARC members!

I hope that everyone who attended the February meeting enjoyed themselves. I heard a few people went home with gear or money! I was really looking forward to attending, but a visit to the dentist that day proved to be not what I expected; and I had to stay home. I will spare you the gory details!

Hopefully everyone has seen the email that I forwarded from Jeremy Lidsley K2HJX, who is the RARS Public Service Director, regarding the public service opportunities to to serve the area community. I know several SWARC members (including myself) have donated their time in the past to help out event organizers by providing mobile communications support for bike rides, walks etc. All the information is in Jeremy's email and I encourage you to check it out on the RARS

website: <https://www.rars.org/public-service.php>. This is a great experience and you meet other hams as well.

Looking ahead, here is what we have coming up for our next club meeting on Wednesday March 2nd:

Someone told me they were kicking around a personal project to take on for battery backup for their rigs. About the same time someone else was showing me their "GO CASE" for a POTA or FIELD DAY type activity. So I thought there has to be others in our club who have worked with backup-battery for their rig(s) - either in their shack or out in the field.

I know that several people have generators, but the GO CASE caught my attention for those who don't have one. So I would like to hear from the members who would like to share their insights on ideas in the form of a roundtable discussion at this meeting. Anyone who would like to participate, please send me an email at KB4NC.ham@gmail.com.

Also at the March 2nd meeting, K7RLH is going to appoint a nominating committee chairperson for the elections in June for the July 2022-June 2023 club year. Yup, they are coming up!

Keeping in the spirit of looking ahead, here are rest of the monthly meeting topics for this club year:

April 6th: Field Day Planning

May 4th: Spring Picnic

June 1st: Elections and Field Day updates

That is all for now!

73! Manny KB4NC

SWARC 2 February 2022 Meeting Minutes

The meeting was called to order at 6:58 pm by President Richard Hall (K7RLH) with the pledge. Today is the annual SWARC auction. No new business was conducted.

Attendees enjoyed delicious pizza for dinner along with appetizers and desserts.

We had modest attendance with 11 persons present. No Zoom virtual attendance was available for the auction. Attendees included:

Richard Hall (K7RLH), Bill Blomgren (KK4QDZ), Andy McDaniel (KN4JJU), Steve Mowels (KA0GMY), Mike Gaither (K4MWG), Mike Callam (KD4MC), Steve Susanne (WB4SMS), Dave Yow (K4MSE), John Poplawski (WB4UFO), Al Kinnamon (WA3JJG), Wallace AustIn (KO4SKA).

Main Event – The Annual SWARC Auction

Big Ugly was the night's auctioneer. Full contact auction rules were in effect. Items for sale included:

Vintage Gold Products Model TC101 tube tester

Icom ID-4100 D-Star dual band transceiver

Akigawa PM-3HV SWR & Power meter

Vintage Astatic D-104 Microphone

Motorola CDM1550-LS transceiver

Yaesu FTM-3207D transceiver

Kenwood Power Supply

Along with other items...

There was spirited, but good natured, bidding on a number of items. Lots of happy hams left the meeting with their new acquisitions.

Richard concluded the meeting at 7:23 pm.

73

Andy McDaniel – KN4JJU - Secretary

Financial Report:

Christy, KJ4AEO, was unable to attend but provided a report noting that the club has \$2,271.20 in the bank as of February 2nd. The club's balance reflects dues payments from five members (thank you) less a \$37.00 bank fee.

MEMBERSHIP

Just a reminder that it is that time again to pay membership dues.

\$30 for individuals and \$5 for each family member. These are not pro-rated unless an individual, as a previous member, is renewing midstream, etc.

You can bring a check or cash to the next meeting or mail them to the club PO box and Christy will let me know she has received them so I can update the list. If you mail them, give me a heads up so I can mark it as pending on the roster.

Makes checks payable to South Wake ARC.

If you are going to mail it, send it to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526

Gary Plante

KO4LQX

NET REPORT

SWARC Group – January 2022

We had three individuals who can be referred to as net check in champs for January; they are Bill, KK4QDZ, Al, WA4TCJ, and Richard, K7RLH. Keep in mind that all net controls record their counts so numbers could actually be higher than noted.

I look forward to hearing you on the net!

net date	Callsign count	Expr1000	Net Checkins
1/1/2022	19	KK4QDZ	17
1/2/2022	16	K7RLH	17
1/3/2022	12	WA4TCJ	15
1/8/2022	14	KN4OEY	13
1/9/2022	9	WA3JJG	13
1/10/2022	9	K4ADH	11
1/14/2022	19	KJ4CVK	9
1/15/2022	22	KO4MSN	9
1/16/2022	17	KO4DHJ	9
1/18/2022	17	WB4UFO	8
1/22/2022	17	KM4IJK	7
1/23/2022	14	K4KIB	6

1/24/2022	14	KO4FUD	6
1/25/2022	13	N4BNC	5
1/29/2022	10	N4BAJ	5
1/30/2022	11	KT4JR	5
1/31/2022	10	KE4BKL	5
		N4SMB	4
		KE4QBW	4
		NC4MP	3
		WB4SMS	3
		KI4WAI	3
		KD4MC	3
KD7AAG	2	KJ4QNW	3
KB4NC	2	KJ4WLG	3
KO4VUU	2	WA2PIX	3
KN4HDH	2	KM4TC	2
W1DMG	2	AI4WF	2
KM4GDU	2	KA0GMY	2
N4MRW	2	KK4BK	2

There is a slight change to the net control schedule below.

- For the time being, until further notice, Kenny, KJ4CVK, has resumed the noontime nets when he is able
- Saturday and Sunday evenings will be called by KT4JR & K7RLH
- K7RLH will call Monday evenings until KB4NC finished his code class
- KA0GMY will call Tuesday evenings (backup is K7RLH)
- KB4NC will call Wednesday evenings except on meeting nights
- KJ4CVK to pick up Thursday evenings if available (KO4LZZ has volunteered to call if Kenny is not available)

- Fridays will continue to be called by NC4MP
- And we need backups – JUST BECAUSE.

Please contact Richard Hall, K7RLH, if you are interested in calling one or more nets.

Public Service

Check the RARS web site often for Public Service opportunities. The public service season is upon us and the events need volunteers.

BOARD OF DIRECTORS

President

Richard Hall--K7RLH

Vice President

Manny Garcia--KB4NC

Secretary

Andy McDaniel – KN4JJU

Treasurer

Christy Fernandini - KJ4AEO

Member-At-Large

Al Crawford – WA4TCJ

Member-At-Large

Bernie Jones – N4BAJ

Member-At-Large

Mike Gaither –

K4MWG

Member-At-Large

Brian Knox--KK4BK

Membership Chair Gary

Plante--KO4LQX

Appointed Positions

NET MANAGER

Kenny Souther-KJ4CVK

Special Events Director

Gino Fernandini –KI4YXO

Public Service Director

David Krum – NW3U

SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of its members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

LINKS (if you have other links you want added then send them to me)

PRN

A Wide Area Digital Amateur Radio Network

www.ncprn.net

GigaParts

www.gigaparts.com

QRZ

www.qrz.com

Ham Radio Outlet HRO

www.hamradio.com

Raleigh Amateur Radio Society RARS

www.rars.org

Johnson Amateur Radio Society JARS

www.jars.net

South Wake Amateur Radio Club SWARC

www.southwakearc.com

Carolina 440 Network

www.carolina440.net

_North Carolina Packet

www.ncpacket.com

_TARPN (Terrestrial Amateur Packet Radio)

www.tarpn.net

ARRL News

APRS Developer Bob Bruninga, WB4APR, SK

The father of the Automatic Packet Reporting System ([APRS](#)), Bob Bruninga, WB4APR, of Glen Burnie, Maryland, died on February 7. An ARRL Life Member, Bruninga was 73. According to his daughter, Bruninga succumbed to cancer and the effects of COVID-19. Bruninga had announced his



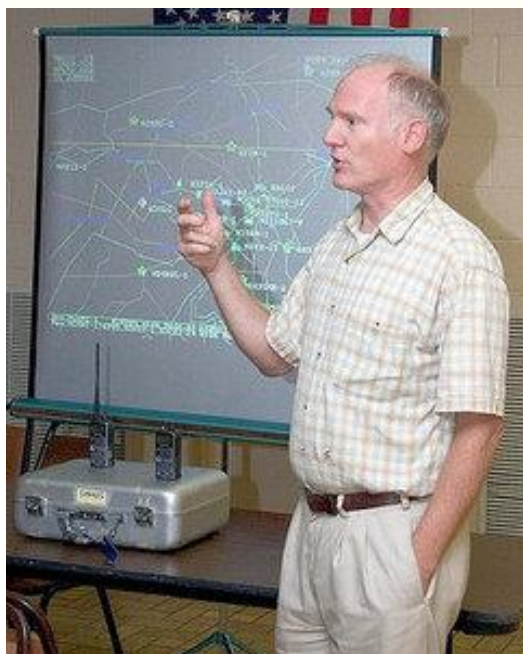
cancer diagnosis in 2020. Over the years, Bruninga readily shared his broad knowledge and experience in APRS and other topics in the amateur radio and electronics fields.

While best known for APRS, Bruninga, a retired US Naval Academy senior research engineer, had an abiding interest in alternative power sources, such as solar power. In 2018, he authored *Energy Choices for the Radio Amateur*, published by ARRL, which explores developing changes in the area of power and energy and examines the choices radio amateurs and everyone else can make regarding home solar power, heat pumps, and hybrid and electric vehicles. Bruninga drove an all-electric car and had experimented with a variety of electric-powered vehicles over the years.

What became APRS had its origins in 1982, when Bruninga wrote his first data map program that plotted the positions of US Navy ships for the Apple II platform. A couple of years later, he developed what he called the Connectionless Emergency Traffic

System (CETS) on the VIC-20 and C-64 platforms for digital packet communications to support an endurance race. The program was ported to the IBM PC platform in 1988 and was renamed APRS in 1992. The recognized North American APRS frequency is 144.39 MHz and APRS is linked globally via the internet. Bruninga founded the Appalachian Trail Golden Packet event, which fields APRS nodes from Stone Mountain in Georgia to Mount Katahdin in Maine each July.

ARRL Contributing Editor Ward Silver, N0AX, remembered Bruninga this way: "Bob kept pushing APRS beyond its origins as a position reporting system. He developed and helped implement numerous other uses of APRS in support of what has become the 'Ham Radio of Things,' with great potential for future amateur radio applications. Bob's far-reaching vision and imagination were as good as it gets."



Bruninga mentored US Naval Academy midshipmen in building and launching amateur radio satellites and CubeSats, beginning with PCSat in 2001. PCSat was the first satellite to report its precise position directly to users via its onboard GPS module. Subsequent USNA spacecraft included PSK-31 capability (HF to UHF) and other innovations.

Amateur Radio on the International Space Station (ARISS) ARRL liaison Rosalie White, K1STO, recalled that Bruninga attended many ARISS-International meetings and contributed "enormously" to ARISS APRS activities, leading a team in developing protocols and software for rapid message exchange via a packet "Robot."

Last year, ARRL CEO David Minster, NA2AA, on behalf of ARRL, honored Bruninga with a brick in ARRL's Diamond Club Terrace at ARRL Headquarters. Read [an expanded version](#).

Dayton Hamvention Looks to Be a Go for 2022

Hams and vendors hoping to attend Dayton Hamvention® 2022 have been asking what, if any, COVID-19 regulations will be in place at the event. Hamvention management says it's monitoring the situation closely. Hamvention General Chairman Rick Allnutt, WS8G, issued a statement:

"We strongly anticipate that Hamvention 2022 is a go. We cannot guarantee what government may decide about unknown changes in the pandemic. It has become obvious that the State of Ohio is very unlikely to call a halt to large gatherings anytime soon. Despite a recent large spike in [Omicron-variant] COVID cases and hospitalizations, there is no move to restrict large indoor or outdoor events such as sports events," Allnutt said.

Allnutt added that he anticipates that the official state guidance may be to recommend -- not require -- face masks and social distancing, but does not expect to be checking attendees' vaccination status on site. Hamvention will support state guidance.



Some have asked whether COVID-19 testing will be available at Hamvention. At this time, there are no plans to have testing on site. Updates on Hamvention and COVID-19 regulations related to the event will be posted on the [Hamvention website](#).

Hamvention, an ARRL-sanctioned event, will be held May 20 - 22, at the Greene County Fairgrounds and Expo Center in Xenia, Ohio.

ARRL Podcasts Schedule



YouTube is increasingly becoming the "go-to" resource for information on a variety of amateur radio topics. The latest episode of the On the Air podcast (Episode 26) features a conversation with two YouTube veterans -- Dave Casler, KE0OG, and Steve Goodgame, K5ATA.

The latest edition of the Eclectic Tech podcast (Episode 53) features a discussion about the 222 MHz band with ARRL Radiosport Manager Bart Jahnke, W9JJ.



The On the Air and Eclectic Tech podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android) as well as on Blubrry -- [On the Air](#) | [Eclectic Tech](#).

Some New Rules Going into Effect this Year for ARRL Field Day

After taking a few detours over the past couple of years due to the COVID-19 pandemic, [ARRL Field Day](#) rules are being updated on a permanent basis starting this summer. ARRL conducted a Field Day community survey with invitations propagated far and wide, and direct emails sent to more than 15,000 individuals and ARRL-affiliated clubs. After sorting through, reviewing, and discussing the



survey results, the ARRL Programs and Services Committee recommended a number of rule changes for ARRL Field Day, which will take place this year over the June 25 - 26 weekend.

Starting this year, the maximum PEP output for a transmitter used by anyone submitting a Field Day log will be 100 W. The power multiplier of 2 will remain in place, and the high-power category will be removed from the rules. Until this year, the maximum low-power limit had been 150 W for most ARRL-sponsored operating events. The power multiplier will remain at 5 for QRP participants running a maximum of 5 W or less. As previously announced, 100 W is now the low-power category limit for all ARRL and IARU HF Contests, effective January 1,

2022.

A couple of changes instituted initially as accommodations for the COVID-19 pandemic will remain. Class D (Home) stations will continue to be able to earn points for contacts with other Class D stations. The club aggregate scoring change initiated in 2020 as a temporary measure will become part of the permanent rules. In the aggregate scoring plan, the scores of individual stations are combined under the score of a single club.

Another change, involving Rule 7.3.2 Media Publicity, has been modified. Rules to date have offered 100 bonus points for attempting to obtain publicity and demonstrating same. With the ease of posting via Facebook, Twitter, Instagram, and various other media websites, Field Day participants will now be required to obtain publicity, not just try to do so. Any combination of bona fide media hits would qualify for the bonus points. For example, posting the details of your upcoming or ongoing Field Day activity, or your Field Day results, on a club or news media site, on Facebook, or via Twitter and Instagram would meet the bonus criteria. Photos and videos are encouraged as part of media posts.

Heil Sound Changes Hands

Heil Sound has changed hands. Founded by Bob Heil, K9EID, and based in Fairview Heights, Illinois, Heil Sound is a manufacturer of microphones, microphone accessories, and audio accessories for both professionals and amateurs. The new owners are Heil Sound President and CEO Ash Levitt and Director of Operations Steve Warford. Sarah Heil, who was co-owner of Heil Sound, has retired, but Bob Heil will continue to do outreach work and amateur radio product design as Founder and CEO Emeritus.

"My life has been about achieving great sound, whether on the concert stage or in the amateur radio world," Bob Heil recounted. "I've watched Heil Sound go from a regional sound company to a world-class microphone manufacturer. This company has been my passion, but it is time for me to step aside. There is no better team to carry the company forward than Ash and Steve, and I have the utmost confidence in them."

[Heil Sound](#) is a name well known within the worldwide amateur radio community for its microphones and "boom set" microphone/headset combinations. The company marked its 50th anniversary in 2016. The company began in 1966 as Ye Olde Music Shoppe -- a music store in Marissa, Illinois, Heil's hometown.



Heil initially made a name for himself working with music performers to provide sound reinforcement for their live gigs, initially supplying full sound system packages for venues and festivals throughout the Midwest and later working with world-class acts such as Humble Pie,



(L - R) Heil Sound President and CEO Ash Levitt, Bob Heil, K9EID, and Director of Operations Steve Warford.

The Who, The Grateful Dead, and Joe Walsh, WB6ACU. Heil said it was the Dead's Jerry Garcia who suggested the Heil Sound name. Among other innovations, Heil created the quadraphonic sound system for The Who's "Quadrophonia" tour as well as the Heil Talk Box, made famous by Joe Walsh and Peter Frampton.

Levitt and Warford both started working with Heil Sound as teenagers, building and packaging products. Levitt took a different career path in academia for several years but continued to regularly consult with Heil Sound. He returned to Heil Sound full time in 2017 and assumed the role

of president in 2020. Warford worked his way up in the company over the course of his tenure and, for the past several years, has been responsible for daily operations.

"Steve and I are honored to carry forward the legacy of Heil Sound," Levitt said. "We care very deeply about Heil Sound's role in the industry and intend to build on that going forward with new products and greater distribution. Read [an expanded version](#).

Just Ahead in Radiosport

- Organizers of the Saint Patrick's Day Award have announced [a new web page](#) that provides full information on this amateur radio award. The site includes the simple registration form to be completed by all participants in this year's festivities, March 16 - 18.
- Due to the widespread paper shortage and related supply chain issues, the March 2022 issue of QST will mail approximately 10 days later than usual, arriving in homes the week of February 22. ARRL members can read the [digital edition](#) of the March issue now.

Upcoming Section, State, and Division Conventions

- February 18 - 19 -- [ARRL Southwestern Division Convention](#) (Yuma Hamfest), Yuma, Arizona
- February 26 -- [ARRL Vermont State Convention](#) (HAM-CON), Colchester, Vermont
- March 19 -- [ARRL Southern Florida Section Convention](#) (47th Annual Martin County Hamfest), Stuart, Florida
- March 19 -- [ARRL West Texas Section Convention](#) (66th Annual St. Patrick's Day Hamfest), Midland, Texas
- March 19 -- [ARRL West Virginia Section Convention](#) (Charleston Area Hamfest), Charleston, West Virginia
- March 27 -- [ARRL Virginia Section Convention](#) (Winterfest), Annandale, Virginia

Search the [ARRL Hamfest and Convention Database](#) to find events in your area.

ARRL -- Your One-Stop Resource for Amateur Radio News and Information

- **Join or Renew Today!** Eligible US-based members can elect to receive [*QST*](#) or [*On the Air*](#) magazine in print when they join ARRL or when they renew their membership. All members can access digital editions of all four ARRL magazines: *QST*, *On the Air*, *QEX*, and *NCJ*.
- Listen to [*ARRL Audio News*](#), available every Friday.
- *The ARRL Letter* is available in an accessible format, posted weekly to the [Blind-hams Groups.io](#) email group. The group is dedicated to discussions about amateur radio as it concerns blind hams, plus related topics including ham radio use of adaptive technology.

Subscribe to...

- [*NCJ -- National Contest Journal*](#). Published bimonthly, features articles by top contesters, letters, hints, statistics, scores, NA Sprint, and QSO parties.
- [*QEX -- A Forum for Communications Experimenters*](#). Published bimonthly, features technical articles, construction projects, columns, and other items of interest to radio amateurs and communications professionals.

Free of charge to ARRL members...

- [Subscribe](#) to the *ARES Letter* (monthly public service and emergency communications news), the *ARRL Contest Update* (biweekly contest newsletter), Division and Section news alerts and much more!
- Find ARRL on [Facebook](#)! Follow us on [Twitter](#) and [Instagram](#)!

The ARRL Letter is published Thursdays, 48 times each year. ARRL members may subscribe at no cost or unsubscribe by editing their Member Data Page as described at <http://www.arrl.org/arrlletter/>.

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HAMFEST INFORMATION

The following hamfests have been scheduled for 2022.

The Mecklenburg Amateur Radio Society will hold the Charlotte Hamfest on March 11 and 12 at the Cabarrus Arena and Events Center which is located at 4551 Old Airport Road, near Concord NC. Information about the hamfest can be found

at <https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcharlottehamfest.org%2F&data=04%7C01%7C%7Cfae978b126864e49c8e308d9d4621f8b%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C637774340179670995%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IjE1haWwiLCJXVCi6Mn0%3D%7C3000&sdata=hSI fj%2FFPyK56xU2HKx5dKXpDn hFiv6ucNmIF4J%2B7fEQ%3D&reserved=0>.

The Raleigh Amateur Radio Society will hold its RARSfest on Saturday, April 16, 2022 at the Jim Graham Building at the NC State Fairgrounds in Raleigh. Information about RARSfest can be found at

<https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.rarsfest.org%2F&data=04%7C01%7C%7Cfae978b126864e49c8e308d9d4621f8b%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C637774340179670995%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=3X%2FMvbZ4kju7BskETGm7vqH6sqm%2BZCP2Gc%2FCKHoja3A%3D&reserved=0>

The Waynesville Hamfest is scheduled to be held at the Smoky Mountain Event Center (Haywood County Fairgrounds) which is located near Lake Junaluska. The date is July 23, 2022.

EMCOMM TRAINING

NCEM postponed several EmComm courses that were scheduled for January 2022. The Auxcomm class has been postponed until late March or early April at the Caldwell County EOC in Lenoir, NC. Persons who wish to take the course are urged to use the time between now and March to complete or upgrade the four on-line ICS courses (100c, 200c, 700b and 800d) which can be completed in about one hour each (and at no cost) at

<https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftraining.fema.gov%2Fis%2Fcrslist.aspx&data=04%7C01%7C%7Cfae978b126864e49c8e308d9d4621f8b%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C637774340179670995%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=y035A4wR5tvNR5I9c5fMb8n%2BvL%2BtfJfzGuMp3fCS3q8%3D&reserved=0>. You are reminded that

persons who travel 50 miles from home to attend the Auxcomm course are eligible to be reimbursed for mileage, meals and lodging in accordance with NC State Government Travel Policies. The Auxcomm course plus upcoming CommEx events will be listed here as well as in TERMS

<https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fterms.ncem.gov%2FTRS%2F&data=04%7C01%7C%7Cfae978b126864e49c8e308d9d4621f8b%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C637774340179670995%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=KDPZk7%2Bqcg%2FGWJBaces7>

[PG4dJ52G1oGkP7tBAV2YIOE%3D&reserved=0](#)).

BALLOTING UNDERWAY FOR NC SECTION MANAGER

Numerous persons have reported receiving their ballots for the NC Section Manager Election. Ballots must be received at ARRL HQ no later than February 18 in order to be counted on February 22.